

广东金丝桃属一新种和一新亚种*

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A New Species and a New Subspecies of *Hypericum* from Guangdong, China

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Key words: *Hypericum*; New species; New subspecies; Guangdong

关键词: 金丝桃属; 新种; 新亚种; 广东

中图分类号: Q 949 **文献标识码:** A **文章编号:** 0253-2700(2002)05-0609-02

1 *Hypericum lianzhouense* L. H. Wu et D. P. Yang, sp. nov. Fig. 1

1a subsp. *lianzhouense*

Species affinis *H. attenuato* Choisy, a qua foliis caulinis majoribus, oblongo-lanceolatis, papillis minoribus dense obtectis; caulibus nec porcatis nec nigro-glandulosis; stylis ovario semper 4-plo longioribus; capsulis seminibusque minoribus differt.

Perennial herb 50–115 cm high. Root and rhizome with numerous lateral or adventitious roots. Stems cespitose, erect, columned, no branched or branched, with inflorescence in the upper part. Leaves sessile or subsessile, broad lanceolate, 1.5–5.2 cm long, 0.5–1.2 cm broad, apex rounded, base cuneate, green above, markedly glaucous, densely papillose, with 2–3 ascending lateral veins and much more intramarginal dark glands but no other glands beneath. Dichasium scorpioid, terminal, many-flowered. Bracts and bracteoles linear-lanceolate or linear, 2–7 mm long, 1–2 mm broad, with small marginal dark glands, sometimes a few dark glands with shorter stipes, and with light yellow glands or gland-streaks beneath. Flowers c. 15 mm in diam.; pedicels 2–5 mm long. Sepals 4–7 mm long, c. 1.5 mm broad, linear-lanceolate, apex pungent, with a few intramarginal often subsessile dark glands erecting on epidermis and 2–4 light yellow gland-streaks beneath. Petals 9–14 mm long, c. 3 mm broad, oblong-lanceolate, apex with intramarginal dark glands sometimes erecting on epidermis. Stamens c. 55, fascicles 3, not equal in number, each with an average of 14–21 stamens; filaments 8–12 mm long; anthers with dark glands. Ovary ovoid, c. 3 mm long, 1.5 mm broad; styles 3, c. 12.5 mm long, free, spreading from the base. Capsule ovoid, c. 5 mm long, 4 mm broad, loosely with light yellow longitudinal gland-streaks. Seed ovoid, c. 0.8 mm long, 0.4 mm broad, brown, finely scrobiculate, with an unmarked carina, apex apiculate, without terminal appendage. Fl. in Jul.–Aug., fr. in Sept.–Oct.

Guangdong (广东): Renzaishi (人仔石), Dadongshan (大东山), Longping (龙坪), Lianzhou (连州), alt.

* 基金项目: 广州市科委 2000 年重大项目 (编号: 2000-Z-101-01)

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收稿日期: 2001-10-30, 2001-11-28 接受发表

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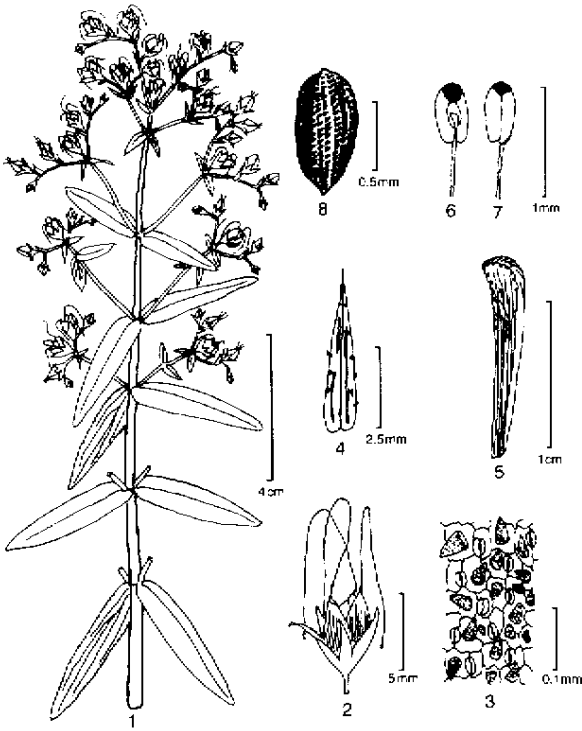


Fig. 1 *Hypericum lianzhouense* L. H. Wu et D. P. Yang (from Tan Pei-Xiang 59732)

1. stem with flowers and fruits; 2. fruit; 3. leaf (part, showing papillae and stomatal apparatus); 4. sepal; 5. petal; 6. anther (back); 7. anther (front); 8. seed (drawn by WU Li-Hong)

600 m, roadside of hilly area, 1958 - 10 - 11, Tan Pei-Xiang (谭沛祥) 59732 (holotype, IBSC); Dadongshan conservation (大东山保护区), Tailing (谭岭), Lianzhou (连州), Wu Li-Hong *et al* (吴立宏等) 01001 (SYS), 01005 (SYS).

It is related to *H. attenuatum*, but differs from it in having larger lanceolate leaves which with dense papillae on the lower surface; stems and branches without lines and dark glands; styles above 4 times longer than the ovary and smaller capsules and seeds.

The holotype of this species (P. X. Tan 59732) was determined by Mr. Chen Wei-Qiu (陈伟球) as *H. attenuatum* Choisy in 1985. Mr. N. Robson studied all the specimens of *Hypericum* of IBSC in 1993, but he did not nominate this species. After collecting the specimens of *H. attenuatum* in the field, checking almost all the specimens of *Hypericum* in IBSC and SYS, and according to some references (李锡文, 1990. 中国植物志 50 卷 2 分册; 中国科学院植物研究所, 1983, 1972. 中国高等植物图鉴第 2 册及补编 II), we find this species can be easily distinguished from *H. attenuatum*. In July of 2001 we collected the specimens of this species (Wu Li-Hong, *et al* 01001, 01005) again at the same mountain—Mt. Dadongshan of the type. It mainly distributes in Lianzhou, north Guangdong

province, so we name it as *H. lianzhouense*.

1b subsp. *guangdongense* L. H. Wu et D. P. Yang, subsp. nov.

A subsp. *lianzhouense* differt caulibus humilioribus; foliis subtus luteolo-glandulosis et dense papillatis, papillis minimis; stylis brevioribus; seminibus cylindricis.

Guangdong (广东): Luofushan (罗浮山), Buoluo (博罗), 1930 - 05 - 02 ~ 1930 - 08 - 28, N. K. Chun 41377 (holotype, SYS); *ib.*, E. D. Merrill 10187 (SYS); *ib.*, Metcalf F. P. 17433 (SYS); *ib.*, Levine, Melrose and AhJo 6887 (SYS); *ib.*, Yue-78 (粤 78) 6123 (SYS). Nankunshan (南昆山), Longmen (龙门), Chang Hung-Ta (张宏达) 7051 (SYS); *ib.*, Cheng Bing-Hui (陈炳辉) 28 (IBSC). Lianhuashan (莲花山), Huiyang (惠阳), Tsang W. T. 25543 (SYS), 25457 (SYS). Wuzhishan (五指山), Ruyuan (乳源), Ye Chuang-Xing *et al* (叶创兴等) 01053. **Jiangxi (江西):** Hongsan, alt. 970 m, J. Linsley Gressitt 1651 (SYS). **Hunan (湖南):** Mangshan (莽山), Huang Mao-Sheng (黄茂生) 373624 (IBSC).

It is different from subsp. *lianzhouense* in its stems shorter; leaves with dense light yellow glands and very little papillae beneath; styles shorter and seeds cylindraceous.

Most specimens mentioned above were determined as *H. attenuatum* by different scholars in SYS or IBSC.

Acknowledgements: The authors' deep gratitude is expressed to Prof. Chang Hung-Ta (张宏达) for his revision suggestions.